



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application John ROSENFELD et al.
of:

Serial No.: 10/765,660 Examiner: Unassigned

Filed: 27 January 2004 Group Art Unit: 3743

For: HEAT TRANSFER DEVICE AND METHOD OF MAKING
SAME

CERTIFICATE UNDER 37 CFR 1.8(a)

I, SAMUEL W. APICELLI, REGISTRATION NO. 36,427, HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450

ON September 10, 2004
SAMUEL W. APICELLI
Samuel W. Apicelli

INFORMATION DISCLOSURE STATEMENT

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the Duty of Disclosure set forth in 37 CFR 1.56, the materials listed on the enclosed form PTO-1449 are hereby brought to the attention of the Examiner. A copy of each is enclosed.

The claimed invention is patentable over the enclosed references. No representations are made regarding the references other than those set forth above.

Respectfully submitted,

Date: 9/10/04

Samuel W. Apicelli
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SWA/tmf

Docket No. H1799-00216



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September 10, 2004
SAMUEL W. APICELLI
Samuel W. Apicelli

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find enclosed for filing:

- ☒ Information Disclosure Statement, PTO-1449 and references.
- ☒ Should any fees be incurred please debit Deposit Account No. 04-1679.
This Transmittal Letter is submitted in duplicate.
- ☒ Return Postcard

Respectfully submitted,

Date: 9/10/04

Samuel W. Apicelli

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Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket No. H1799-00216	Serial No. 10/765,660
	Applicant: John ROSENFELD et al.	
	Filing Date: 27 January 2004	Group Art Unit 3743

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,537,514	Nov. 1970	Levedahl			
	3,613,778	Oct. 1971	Feldman, Jr.			
	3,675,711	July 1972	Bilinski et al.			
	3,681,843	Aug. 1972	Arcella et al.			
	3,788,388	Jan. 1974	Barkmann			
	4,042,316	Aug. 1977	Rabe			
	4,046,190	Sept. 1977	Marcus et al.			
	4,058,299	Nov. 1977	Lindkvist			
	4,109,709	Aug. 1978	Honda et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

	Rosenfeld, J.H., "Nucleate Boiling Heat Transfer in Porous Wick Structures," ASME HTD Vol. 108, <i>Heat Transfer Fundamentals, Design, Applications, and Operating Problems</i> , R.H. Shah, Ed., pp. 47-55, 1989
	Rosenfeld, J.H. and J.E. Lindemuth, "Acetone Heat Pipes for Stirling Orbiter Refrigerator/Freezer," Contract G350240J70 - final report to GE Gov't. Service, 16 April 1993
	McDonald, K.E., Berchowitz, D., Rosenfeld, J.H., and Lindemuth, J.E., "Stirling Refrigerator for Space Shuttle Experiments," Proc. 29 th IECEC, paper 94-4179, pp. 1807-1812, 1994
	Lindemuth, J.E., "Stainless Steel/Propylene Heat Pipe Interface for Stirling Orbiter Refrigerator/Freezer," NASA LeRC final report, PO. No. C-76546-F, 21 April 1998
	Rosenfeld, J.H. and Lindemuth, J.E., "Heat Transfer in Sintered Groove Heat Pipes," International Heat Pipe Conference, 1999
	Rosenfeld, J.H. and North, M.T., "Porous Media Heat Exchangers for Cooling of High-Power Optical Components," <i>Optical Engineering</i> , Vol. 34, No. 2, pp. 335-341, February 1995
	Rosenfeld, J.H., Toth, J.E., and Phillips, A.L., "Emerging Applications for Porous Media Heat Exchangers," Proc. Int. Conf. on Porous Media and Their Applications in Science, Eng., and Industry, Kona, HI, 16-21 June 1996.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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	4,116,266	Sept. 1978	Sawata et al.			
	4,118,756	Oct. 1978	Nelson et al.			
	4,177,646	Dec. 1979	Guadagnin et al.			
	4,186,796	Feb. 1980	Usui			
	4,231,423	Nov. 1980	Haslett			
	4,274,749	June 1981	Eastman			
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	4,354,482	Oct. 1982	Beisecker			
	4,361,133	Nov. 1982	Bonnema			
	4,365,851	Dec. 1982	Andres et al.			
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	4,489,777	Dec. 1984	Del Bagno et al.			
	4,503,483	March 1985	Basiulis			
	4,557,413	Dec. 1985	Lewis et al.			
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	4,697,205	Sept. 1987	Eastman			
	4,748,314	May 1988	Desage			
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OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

	Hartenstine, J.R., "High Heat Flux Tolerant Heat Pipe Wick Structures for Electronics Cooling Applications," Penn State School of Graduate Professional Studies, November 11, 2003
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	4,777,561	Oct. 1988	Murphy et al.			
	4,807,697	Feb. 1989	Gernert et al.			
	4,819,719	April 1989	Grote et al.			
	4,830,097	May 1989	Tanzer			
	4,880,052	Nov. 1989	Meyer, IV et al.			
	4,840,224	June 1989	Dietzsch			
	4,865,729	Sept. 1989	Saxena et al.			
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	4,883,116	Nov. 1989	Seidenberg et al.			
	4,885,129	Dec. 1989	Leonard et al.			
	4,912,548	March 1990	Shanker et al.			
	4,921,041	May 1990	Akachi			
	4,929,414	May 1990	Leonard et al.			
	4,931,905	June 1990	Cirrito et al.			
	4,960,202	Oct. 1990	Rice et al.			
	4,982,274	Jan. 1991	Murase et al.			
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	5,200,248	April 1993	Thompson et al.			
	5,219,020	June 1993	Akachi			

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	5,242,644	Sept. 1993	Thompson et al.			
	5,253,702	Oct. 1993	Davidson et al.			
	5,268,812	Dec. 1993	Conte			
	5,283,715	Feb. 1994	Carlsten et al.			
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	5,320,866	June 1994	Leonard			
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	5,349,237	Sept. 1994	Sayka et al.			
	5,408,128	April 1995	Furnival			
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	6,041,211	March 2000	Hobson et al.			
.	6,055,157	April 2000	Bartilson			
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.	6,056,044	May 2000	Benson et al.			
	6,082,443	July 2000	Yamamoto et al.			
	6,076,595	June 2000	Austin et al.			
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.	6,158,502	Dec. 2000	Thomas			
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.	6,169,852	Jan. 2001	Liao et al.			
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	6,230,407	May 2001	Akutsu			
	6,239,350	May 2001	Sievers et al.			
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	6,382,309	May 2002	Kroliczek et al.			
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	6,397,935	June 2002	Yamamoto et al.			
	6,418,017	July 2002	Patel et al.			

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